

Day in the Life of the Hudson River 10/16/14 Data
(Salt Front RM 65.9)
RIVER MILE 4
Pier 84

N 40.76408 W-74.001893

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Christine Kecskemeti and staff, Elias Howe/PS 51 – (52) 4th graders, (10) adults

Location: Pier 84, is an educational pier used for picnics, boating, jogging, fishing

Area: Pier – bulkhead – mainly concrete & wood

Surrounding Land Use: 60% urban/residential, 40% Industrial/commercial

Sampling Site: Recreational pier – rocks near the edge, banks altered – all hard edged

Depth: ~12 feet off pier

Plants in area: No plants

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	12:45 PM 1:30 PM 2:00 PM	18.9°C 20°C 21°C		
Wind Speed	Not read			
Cloud Cover	Not read			
Weather today	Wet & rainy!!		<i>Water surface</i>	Choppy
Weather recently	Humid and some rain – tropic storm in the area			
<i>Water Temperature</i>	1:00 PM 1:30 PM 2:00 PM	19.5°C 19.3°C 21°C		
<i>Turbidity Turbidity tube</i>	1:00 PM 1:20 PM 1:35 PM 1:45 PM	36 cm 45,85,37.5,51 38,55,31,61,55 30,51,30.2	36 cm avg 54.6 cm 48 cm 37 cm	
<i>Chemical</i>	Time	ppm	Temp	% Sat
DO Estuary wide monitoring Kit –	2:00 PM	2	19° C	20%
pH kit as above	1:00 PM 1:30 X2 1:45 X2 2:00 X6	7 for all	7 average	
Salinity - hydrometer	1:00 PM 1:30 PM 1:30 PM	16,16,16,16,16 16, 16 ppt 16, 18 ppt	16 ppt avg 16 ppt 17 ppt	

	2:00 PM	16,19,19,19,18, 19	19 ppt	
<i>Fish Catch</i>	Time	Species	Size	All caught on line
<i>Tides (from pier to water)</i>	<i>Time</i>	<i>Water Depth</i>	<i>Rate of change</i>	<i>Flood or Ebb</i>
	12:40 PM 2:30 PM	294 cm 315 cm	Start point 21 cm	Flooding
<i>Currents</i>	<i>Time</i>	<i>Meter/sec</i>	<i>Cm/sec</i>	<i>Ebb/Flood</i>
	12:30 PM			Flooding
	1:45 PM			Flooding
	2:30 PM			Flooding